

Patent [19]

[11] Patent Number: 2002369868

[45] Date of Patent: Dec. 24, 2002

[54] AIR PURIFIER

[21] Appl. No.: 2001181685 JP2001181685 JP

[22] Filed: Jun. 15, 2001

[51] Int. CL⁷ A61L00900; B01D04600; B01D05386; F24F00316

[57] ABSTRACT

PROBLEM TO BE SOLVED: To purify air by not only removing dirt and dust in air but also removing harmful organic substances or the like in the air.

SOLUTION: Both end faces in the longitudinal direction of a rectangular parallelepiped box body 1 whose inside is made hollow and to be an air flow path 2 are opened in an optional shape and communicated with the air flow path inside the box body. An air intake port is attained by attaching a dust removing filter 3 to one end face and an air discharge port is attained by attaching a motor-driven fan 5 to the end face on the opposite side. Also, the optional surface of the air flow path inside the box body is turned to a photocatalyst surface 7 coated with a titanium oxide and an ultraviolet ray lamp 8 is disposed at a position to irradiate the photocatalyst surface coated with the titanium oxide.

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